

ABSTRACT OF THE DISCLOSURE

A power assistance device for an ultrasonic dental handpiece (5) includes a working circuit with a parallel impedance (Ls) between the output terminals (S1,S2) and a control circuit with a current transformer (T2), the primary winding (7) thereof is serially arranged in the working circuit and the secondary winding (11) thereof forms an RLC circuit in conjunction with a capacitor (13) and a resistor (15) associated therewith. The voltage of the circuit at the terminals of the resistor (15) is transmitted to the input of a power supply (1). The control circuit enables variations in the value of the capacitor (13) and/or the value of the self-inductance coil of the secondary winding (11) of the transformer (T2).

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